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(71) Applicants (for all designated States except US): BI-OLEADERS CORPORATION [KR/KR]; 408-1, Sajung-dong, Jung-gu, Daejeon 301-212 (KR). M.D. LAB Co. Ltd [KR/KR]; 220, Chung-nam Univ. Dept. of veterinary medicine, Gung-dong, Yusung-gu, Daejeon 305-764 (KR). BIOLEADERS JAPAN CORPORATION [JP/JP]; 307 Saito Bio-incubator, 7-7-15, Saito asagi, Ibaraki, Osaka 567-0085 (JP). IMBIO CORPORATION [KR/KR]; 408-1 Sajung-dong, Jung-gu, Daejeon 301-212 (KR).

(72) Inventors; and

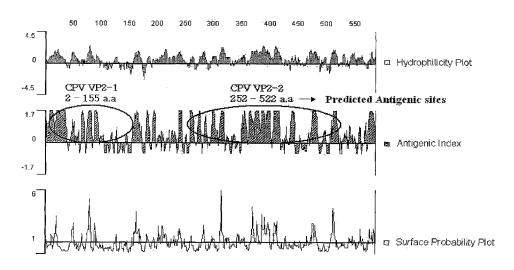
(75) Inventors/Applicants (for US only): SUNG, Moon Hee [KR/KR]; 302, Yabes, 325-6, Jangdae-dong,

Yuseong-gu, Daejeon 305-308 (KR). KIM, Chul Joong [KR/KR]; 103-801, Samsung hanul Apt., Sinseong-dong, Yuseong-gu, Daejeon 305-707 (KR). JUNG, Chang Min [KR/KR]; 132-15, Nonhyeon 1-dong, Gangnam-gu, Seoul 135-824 (KR). HONG, Seung Pyo [KR/KR]; 310-1503, Songgang Green Apt., Songgang-dong, Yuseong-gu, Daejeon 305-751 (KR). LEE, Jong Su [KR/KR]; 59, Nagwon-dong, Anseong-si, Gyeonggi-do 456-110 (KR). CHOI, Jae Chul [KR/KR]; 410-7, Naedang 4-dong, Seo-gu, Daegu 703-060 (KR). SEWAKI, Motomitsu [JP/JP]; Kamo 879-3, Okayama, Okayama, Okayama 701-1342 (JP). KIM, Jong-Taik [KR/KR]; 109-302 Nutimaul Sunkyung villa 29, Jungja-dong, Bundang-gu, Sungnam 463-811 (KR).

- (74) Agent: LEE, Cheo Young; 4th Floor, Kyoung Sung Bldg., 641 Yeoksam-dong, Gangnam-gu, Seoul 135-080 (KR).
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(54) Title: CELL SURFACE EXPRESSION VECTOR OF PARVOVIRUS ANTIGEN AND MICROORGANISMS TRANSFORMED THEREOF



(57) Abstract: The present invention relates to a surface expression vector expressing a parvovirus antigen on the surface of microorganisms, the vector containing not only a gene encoding the capsid antigen protein of parvovirus causing canine parvovirus (CPV) infection and feline panleukopenia (FLP) but also at least one of pgsB, pgsC and pgsA genes encoding a poly-gamma-glutamate synthetase complex. Also, the present invention relates to microorganisms transformed with the surface expression vector, and parvovirus vaccines containing the transformed microorganisms. According to the present invention, the use of the recombinant bacterial strains expressing the parvovirus antigen on their surface allows the economical production of vaccines for the treatment and prevention of canine parvovirus infection and feline panleukopenia.

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